

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings of claims, in the application.

Listing of Claims:

1-19. (Canceled)

20. (Currently amended) A pulmonic fluid-flow control device, comprising:
a cylindrical resilient seal of annular configuration;

a one-way valve having a passageway therethrough and dimensioned for placement in a bronchial passageway, wherein the valve is movable between an open configuration allowing air flow through the valve and a closed configuration restricting air flow through the valve, the valve being biased into the closed configuration, and wherein the device has a construction that completely blocks air flow through the bronchial passageway when the valve is in the closed configuration; and

a frame coupled to the valve, the frame having a passageway extending longitudinally therethrough and in communication with the passageway in the valve, the frame movable between an insertion state and an anchoring state and having a transverse dimension in the anchoring state larger than the transverse dimension in the insertion state wherein the frame self-expands radially outward within a bronchial passageway so as to exert a radially-outward force sufficiently to anchor the flow control device against cylindrical walls of the bronchial passageway; and
a valve support connecting the valve body to the resilient seal.

21. (Previously Presented) The pulmonic fluid-flow control device of claim 20, wherein the valve has an outer diameter of approximately 0.349 inches.

22. (Previously presented) The pulmonic fluid-flow control device of claim 20, wherein the valve includes a valve body having a slit through which fluid can flow.

23. (Currently amended) A pulmonic fluid-flow control system, comprising:
an outer sheath for positioning a valve; and
a cylindrically-shaped flow control device including a one-way valve so dimensioned as to be guidable into the outer sheath, the valve having a passageway therethrough and so dimensioned for placement in a bronchial passageway, wherein the valve is movable between an open configuration allowing air flow through the valve and a closed configuration restricting air flow through the valve, the valve being biased into the closed configuration, and wherein the flow control device has a construction that completely blocks air flow through the bronchial passageway when the valve is in the closed configuration, and wherein a frame is coupled to the valve, the frame having a passageway extending longitudinally therethrough and in communication with the passageway in the valve, the frame movable between an insertion state and an anchoring state and having a transverse dimension in the anchoring state larger than the transverse dimension in the insertion state wherein the frame self-expands within a bronchial passageway sufficiently to anchor the flow control device within the bronchial passageway, the flow control device further including a valve support connecting the valve body to an annular resilient seal that is movable with the frame.

24. (Previously Presented) The pulmonic fluid-flow control system of claim 23, wherein the valve has an outer diameter of approximately 0.349 inches.

25. (Previously presented) The pulmonic fluid-flow control system of claim 23, wherein the valve includes a valve body having a slit through which fluid can flow.

26. (Currently amended) A pulmonic fluid-flow control device, comprising:
a resilient seal of annular configuration
a one-way valve having a passageway therethrough and dimensioned for placement in a bronchial passageway, wherein the valve is movable between an open configuration allowing air flow through the valve and a closed configuration restricting air flow through the valve, the valve being biased into the closed configuration, and wherein the device has a construction such that no air flow occurs across the flow control device and through the bronchial passageway when the valve is in the closed configuration, and wherein an outer surface of the device includes a cylindrical seal that is configured to seal with an interior of a body passageway; and
a frame coupled to the valve, the frame having a passageway extending longitudinally therethrough and in communication with the passageway in the valve, the frame movable between an insertion state and an anchoring state and having a transverse dimension in the anchoring state larger than the transverse dimension in the insertion state wherein the frame self-expands within a bronchial passageway sufficiently to anchor the flow control device within the bronchial passageway; and
valve support connecting the valve body to the resilient seal.

27. (Currently amended) A pulmonic fluid-flow control system, comprising:
an elongate passage for positioning a valve; and
a cylindrically-shaped flow control device including a one-way valve having a passageway therethrough and so dimensioned as to be guidable in the elongate passage, the valve so dimensioned for placement in a bronchial passageway, wherein the valve is movable between an open configuration allowing air flow through the valve and a closed configuration restricting air flow through the valve, the valve being biased into the closed configuration, and wherein the flow control device has a construction such that no air flow occurs across the flow control device and through the bronchial passageway when the valve is in the closed configuration and wherein a frame is coupled to the valve, the frame having a passageway extending longitudinally

therethrough and in communication with the passageway in the valve, the frame movable between an insertion state and an anchoring state and having a transverse dimension in the anchoring state larger than the transverse dimension in the insertion state wherein the frame self-expands within a bronchial passageway sufficiently to anchor the flow control device within the bronchial passageway, the flow control device further including a valve support connecting the valve body to an annular resilient seal that is movable with the frame.

28. – 31. (Cancelled)